Kobe Sarausad

LinkedIn
Portfolio

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Education

University of Washington — Seattle, WA — June 2023
Bachelor of Science in Statistics: Data Science
GPA: 3.55/4.00

Relevant Coursework: Data Structures and Algorithms (CSE 373), Foundational Skills for Data Science (INFO 201), Statistical Computing (STAT 302), Elements of Statistical Methods (STAT 311), Data Science and Statistics for Social Science (STAT 321), Introduction to Probability and Mathematical Statistics I (STAT 340), Introduction to Probability and Mathematical Statistics II (STAT 341), Data Visualization (CSE 412), Machine Learning (CSE 416)

Experience

MLB — New York City — Jun 2022 – Aug 2022
Analytics Intern

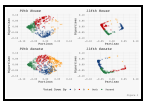
- Using SQL, Python, R, and Powerpoint, I uncovered patterns and useful insights from data to create interesting stories and data-driven business decisions
- Automated data pulling/aggregating tasks to improve work efficiency

Self-Employed — Issaquah, WA — Jun 2021 – *Present*
Private Tutor

- Taught various programming topics to a middle schooler through Python (data structures, data analysis, data presentation) and other programming languages (HTML, CSS)

Projects

- *Polarization of Congress (R)*
  - Performed SVD analysis based on the roll calls of the 90ths and 116th congress
  - Reported results using ggplot and Rmarkdown



- *NFL Betting Dashboard (R)*
  - Used R Shiny to build and deploy an interactive web dashboard for visualizing historical NFL betting/game data (plotly)
  - Utilized HTML and CSS for better interactivity and appearance

- NBA MVP prediction *(R, slides)*
  - Applied machine learning models to predict the NBA MVP using sentiment analysis
  - Achieved 77% accuracy throughout the 2010-2022 NBA seasons
  - Presented results through Ioslides in Rmarkdown
- *American Homelessness (Vega-Lite)*
  - Created interactive plots using Vega-Lite to better study the trends and patterns of homelessness in the United States
- *Miscellaneous Data Visualizations (Twitter, Observable)*

Skills

- Software Tools: Rstudio, Terminal, Eclipse, Jupyter Notebook, Virtual Studio Code, Atom, Tableau, GitHub, Microsoft Excel
- Computing:
  - Proficient:
    - Data Analysis: tidyverse, tidymodels, hypothesis testing, statistical prediction, principal component analysis, machine learning
    - Reporting: RMarkdown, Shiny, kableExtra
    - Visualization: ggplot2
    - Development: R package development, unit testing, code coverage, version control via GitHub
  - [Basic/Familiar]: git, bash, Python, Java, HTML, CSS, JavaScript, Node.js, Vega-Lite, SQL
- Languages:
  - English
  - Japanese (N3)